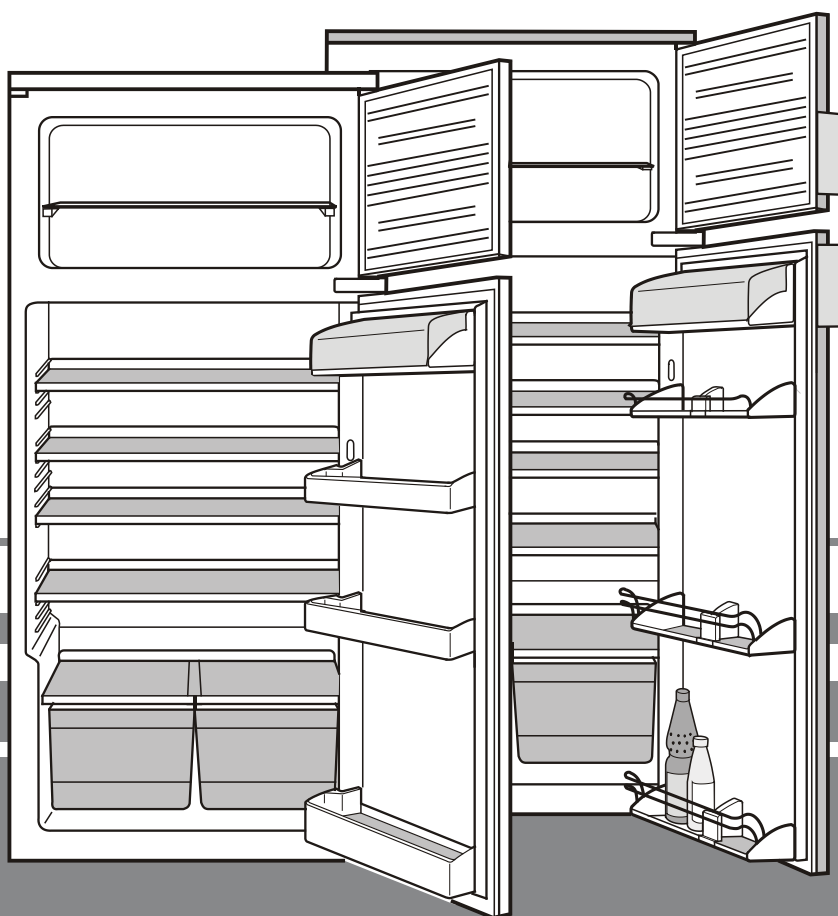




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KED/KID 110

Disposal notes

The packaging is made of recyclable materials.

- Corrugated board/board
- EPS moulded parts
- Polythene sheets
- Polypropylene straps

- **Keep packaging materials away from children - polythene sheets and bags can cause suffocation!**
- Please return the packaging to an official collection point.

Your old appliance: This contains some reusable materials and should be disposed of properly - not simply with unsorted household refuse.



- Discarded appliances should be disabled: Remove the plug, cut through the connection cable and render the catch unusable so that children cannot become trapped inside.
- Ensure that the refrigerant circuit is not damaged when the appliance that is no longer needed is taken away for disposal.
- Details of the refrigerant can be found on the type plate.
- Appliances which are no longer needed must be disposed of in a professional and appropriate way, in accordance with the current local regulations and laws.

Range of appliance use

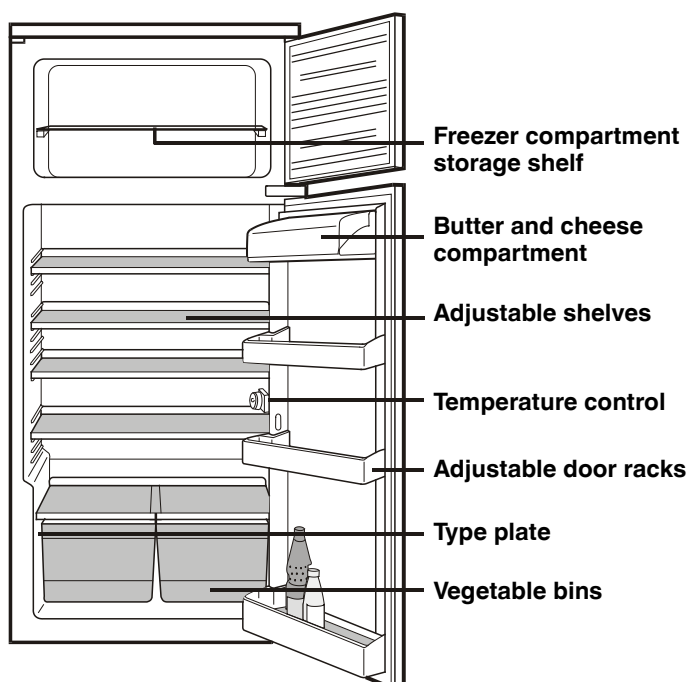
The appliance is suited only for cooling food. In the case of commercial food cooling, the pertinent statutory regulations have to be observed.

The appliance is not suited for storing and cooling pharmaceuticals, blood plasma, laboratory preparations or similar substances and products subject to the Medical Devices Directive 2007/47/EC.

Any misuse of the appliance may result in damage to or spoilage of the stored goods.

Furthermore, the appliance is unsuited for use in areas exposed to an explosion hazard.

Description of appliance and equipment



Safety instructions and warnings

- To prevent injury or damage to the unit, the appliance should be unpacked and set up by two people.
- In the event that the appliance is damaged on delivery, contact the supplier immediately before connecting to the mains.
- To guarantee safe operation, ensure that the appliance is set up and connected as described in these operating instructions.
- Disconnect the appliance from the mains if any fault occurs. Pull out the plug, switch off or remove the fuse.
- When disconnecting the appliance, pull on the plug, not on the cable.
- Any repairs and work on the appliance should only be carried out by the customer service department, as unauthorised work could prove highly dangerous for the user. The same applies to changing the mains power cable.
- Do not allow naked flames or ignition sources to enter the appliance. When transporting and cleaning the appliance ensure that the refrigerant circuit is not damaged. In the event of damage, make sure that there are no ignition sources nearby and keep the room well ventilated.
- Do not stand on the plinth, drawers or doors or use them to support anything else.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities or lack of experience and knowledge unless they have been given initial supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.
- Avoid prolonged skin contact with cold surfaces or chilled/frozen food. This could cause pain, numbness and frostbite. In the case of prolonged skin contact, protective measures should be taken, e.g. gloves should be worn.
- Do not eat ice cream, particularly ice lollies or ice cubes, immediately after taking them from the freezer compartment as there is a risk of "burning" because of the very cold temperatures.
- Do not consume food which has been stored for too long, as it could cause food poisoning.
- The appliance is designed for cooling, freezing and storage of food, and for making ice and is intended for domestic use. If used for commercial purposes, the relevant legal regulations applicable to the trade concerned must be observed.
- Do not store explosives or sprays using combustible propellants such as butane, propane, pentane etc. in the appliance. Electrical components might cause leaking gas to ignite. You may identify such sprays by the printed contents or a flame symbol.
- Do not use electrical appliances inside the appliance.

The operating instructions apply to several models. Differences may therefore occur.

Climate rating

The appliance is set to operate within specific ambient temperature limits according to its climate rating. These temperature limits should not be exceeded. The correct climate rating for your appliance is indicated on the type plate.

Climate rating Ambient temperatures

SN	+10° to +32 °C
N	+16° to +32 °C
ST	+16° to +38 °C
T	+16° to +43 °C

Setting up

- Standard EN 378 specifies that the room in which you install your appliance must have a volume of 1 m³ per 8 g of R 600a refrigerant used in the appliance, so as to avoid the formation of inflammable gas/air mixtures in the room where the appliance is located in the event of a leak in the refrigerant circuit. The quantity of refrigerant used in your appliance is indicated on the type plate on the inside of the appliance.
- Do not connect the appliance to the supply with other equipment using an extension cable - risk of overheating.

Connecting to the mains

Power supply (a.c.) and voltage at the operating point must comply with the details on the type plate, which is located in the refrigerator compartment on the left-hand side. The socket must be fused with a 10 A fuse or higher, it must be away from the rear of the appliance and must be easily accessible.

Connect the appliance with a properly earthed fused plug and socket only.

The wires in the mains lead are coloured in accordance with the following code: green/yellow = earth, blue = neutral, brown = live.

Warning! This appliance must be earthed.

Switching the appliance on and off

You are recommended to clean the appliance before switching it on for the first time (see "**Cleaning**").

Turn the temperature control **T** clockwise from "0" to "1". The appliance is now switched on and the interior light comes on. The appliance is switched off at the "0" setting (fig. A / B).

Switch W (depending on options)

Turn the rocker switch **W** on the temperature control housing for operation **at low room temperatures of 18°C or below**. The control lamp in the switch comes on. This ensures that the necessary low temperature inside the freezer compartment is achieved. It is not necessary to turn on the rocker switch **at normal room temperatures (above 18°C)**.

Setting the temperature

Turn the temperature control **T** to set the desired temperature.

Setting "1" = lowest cooling setting, warm

Setting "7" = highest cooling setting, cold

When storing pre-frozen food in the freezer compartment, we recommend a temperature setting of between 4 and 7, in order to achieve temperatures of -18°C or lower inside the compartment.

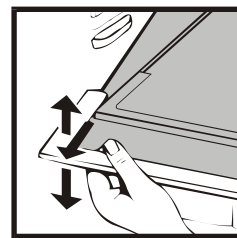
Notes on energy saving

- Avoid opening the door unnecessarily for long periods of time.
- Allow hot food to cool to room temperature before storing it in the appliance.
- If an ice layer forms, defrost the appliance. This will improve the cold transfer and reduce energy consumption.

Changing shelf arrangement

You can re-arrange the **storage shelves** as required. Lift up shelves at the front, pull them out halfway and remove by tilting upwards or downwards.

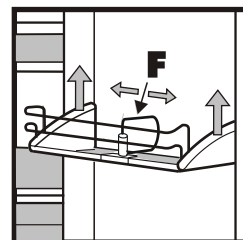
When inserting a shelf, the guard bar at the back must be facing upwards, otherwise food may freeze to the rear wall.



Repositioning the door racks

Lift door rack vertically, lift out to the front and re-insert at a different height, following these steps in the reverse order.

By shifting the **bottle holder F** you can protect the bottles from falling over when opening or closing the door.



Interior light

Bulb data: 15 W (never use a bulb rated at more than 15 W). The voltage should agree with the details on the type plate. Socket: E 14.

Replacing the bulb:

Pull out the mains plug or remove/unscrew the fuse.

Version as in fig. A

Reach behind the cover, unscrew the bulb and replace.

Version as in fig. B

Lift the cover **2** in the direction of the arrow and remove. Replace the bulb and click the cover back into place.

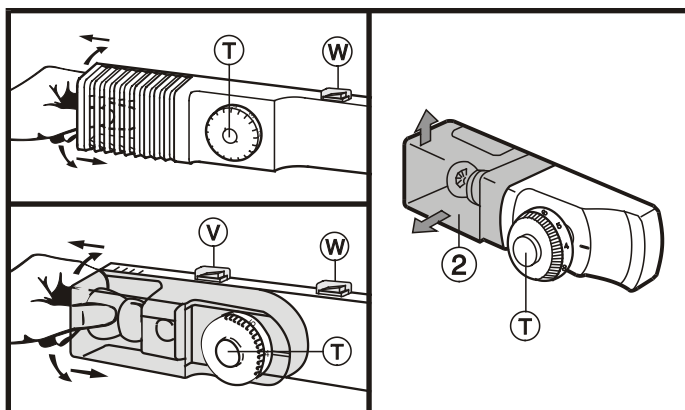


fig. A

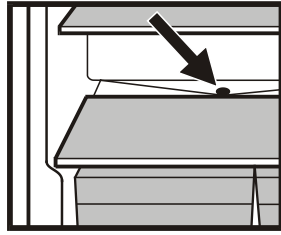
fig. B

Defrosting

Refrigerator compartment

The refrigerator compartment defrosts automatically. The water that forms on the rear wall drains into a reservoir at the back of the appliance and evaporates automatically through the compressor heat.

Ensure that the water can flow without hindrance through the hole above the vegetable bins (see "Cleaning").



Freezer compartment

After a long period of operation, a layer of frost or ice can build up inside the freezer compartment. This increases energy consumption. You should therefore defrost the freezer compartment regularly.

- Switch the appliance off to defrost.
Pull out the mains plug or set the temperature control to "0".
- Wrap the frozen food in paper or blankets and store in a cool place.
- To speed up the defrosting process put a saucepan of hot but not boiling water on one of the cooling elements.
- Leave the door of the appliance open while defrosting. After defrosting mop up the remaining water and clean the appliance.

Do not use any mechanical devices or other artificial aids for defrosting other than those recommended by the manufacturer.

Cleaning

Before cleaning always switch off the appliance. Pull out the mains plug or remove/unscrew the fuse.

Clean the inside and equipment with lukewarm water and a little detergent. Do not use abrasive or acid cleaners or chemical solvents.

Do not use steam cleaners because of the risk of injury and damage.

- Ensure that no cleaning water penetrates into the electrical components or ventilation grille.
- Dry all parts well with a cloth.
- The ventilation and air outlets should be cleaned regularly. Dust deposits increase energy consumption.
- Do not damage or remove the type plate on the inside of the appliance. It is very important for servicing purposes.

Malfunctions

You may be able to rectify the following faults by checking the possible causes yourself:

Appliance does not function:

- Is the appliance switched on?
- Is the plug correctly fitted in the mains socket?
- Is the socket fuse intact?

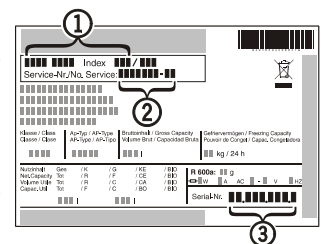
Loud running noise:

- Is the appliance set up firmly on the floor?
- Does the appliance cause nearby items of furniture or objects to vibrate? Please note that noises caused by the refrigerant circuit cannot be avoided.

The temperature is not low enough:

- Is the temperature setting correct (see "Setting the temperature")?
- Have excessive amounts of fresh food been placed in the appliance?
- Does the separately installed thermometer show the correct reading?
- Is the ventilation system working properly?
- Is the appliance set up too close to a heat source?

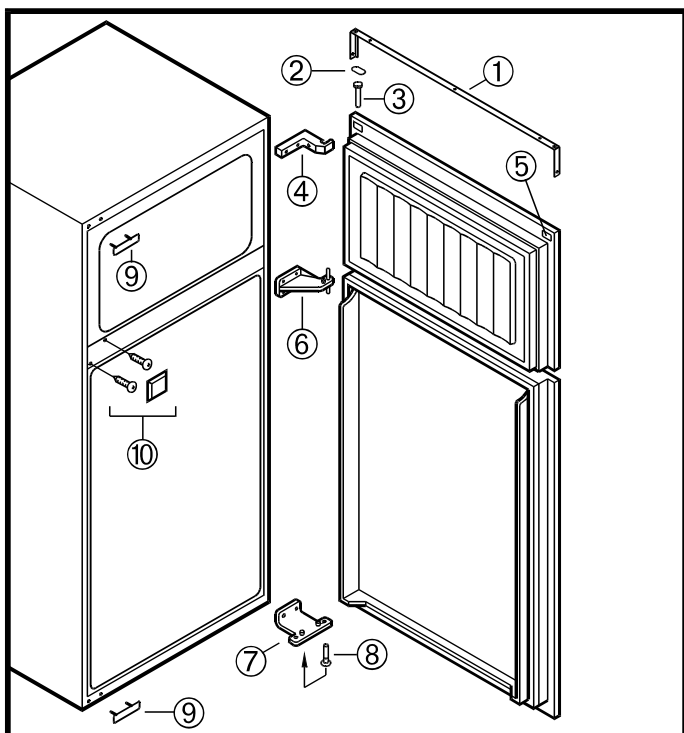
If none of the above causes apply and you cannot rectify the fault yourself, contact the nearest customer service department stating the type of appliance ①, service number ② and appliance number ③ as indicated on the type plate. The type plate is located in the refrigerator compartment on the left-hand side (Refrigerator compartment).



Instructions for installation and modification of flush fitting built-in appliances with decor frames

Changing over door hinges

- Unscrew decor frame ①.
- Lever out cover panel ② and hinge pin ③ with a screwdriver.
- Open door and lift out at top until hinge bracket ④ is completely clear. Lift door off upwards.
- Lever out cover panel ⑤ with a screwdriver and use to close hole on the other side of door.
- Unscrew hinge bracket ⑥ and lift lower door off upwards.
- Remove cover panel and screws ⑩ and replace on the other side.
- Lift off plugs ⑨.
- Unscrew hinge bracket ⑦; unscrew hinge pin ③ and screw into adjacent fastening hole; screw hinge bracket ⑦ on the other side.
- Replace plugs ⑨ on the other side.
- Suspend lower door on hinge pin ③ and close.
- Turn hinge bracket ⑥ by 180°, insert into door mounting with pin and screw onto appliance.
- Unscrew hinge bracket ④, turn by 180° and screw onto the other side.
- Suspend upper door on hinge bracket ⑥, align with hinge bracket ④ and close. Insert hinge pin ③.
- Replace cover panel ②.
- Attach decor frame ① and handles provided.

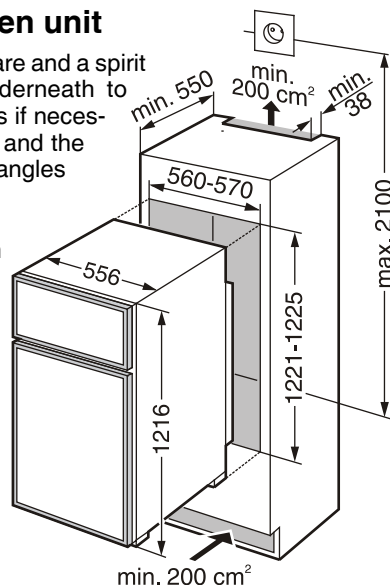


Installing in a kitchen unit

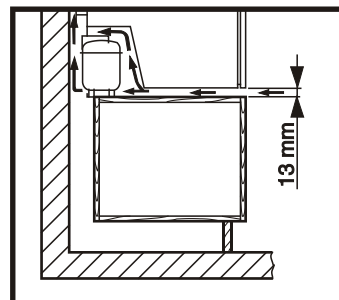
Align the unit with a set square and a spirit level. Place something underneath to compensate for unevenness if necessary. The intermediate floor and the side walls must be at right angles to one another.

A gap of at least 38 mm must be provided behind the kitchen unit so as to ensure sufficient ventilation.

The appliance is ventilated through the plinth under the kitchen unit. The area underneath and behind the appliance must be at least 200 cm².

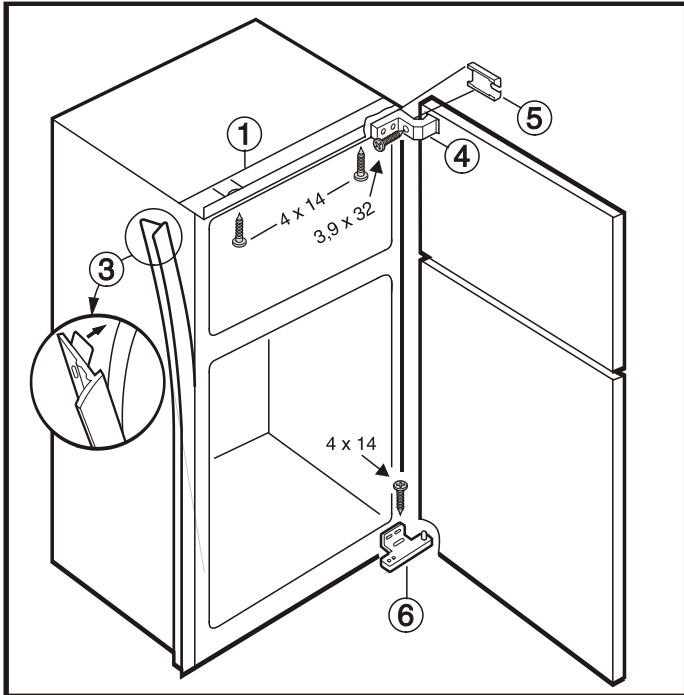


If the appliance is installed in a kitchen unit without plinth ventilation, it is ventilated through the plinth on the appliance. In this case there must be a gap of at least 13 mm between the bottom edge of the door and the unit.



Attaching inside a kitchen unit

- Remove protective backing from cover profile ③ and stick to body of appliance on the handle side. The profile must not protrude at the front, otherwise the door will not close properly.
- If the unit is more than 568 mm wide, spacer ⑤ must be placed on hinge bracket ④.
- Slide the appliance into the unit until stop plate ① touches the unit.
- Insert screws (4 x 14) into unit through stop plate ① and hinge bracket ⑥ and tighten.
- Insert screw (3.9 x 32) into side of unit through hinge bracket ④ and tighten.



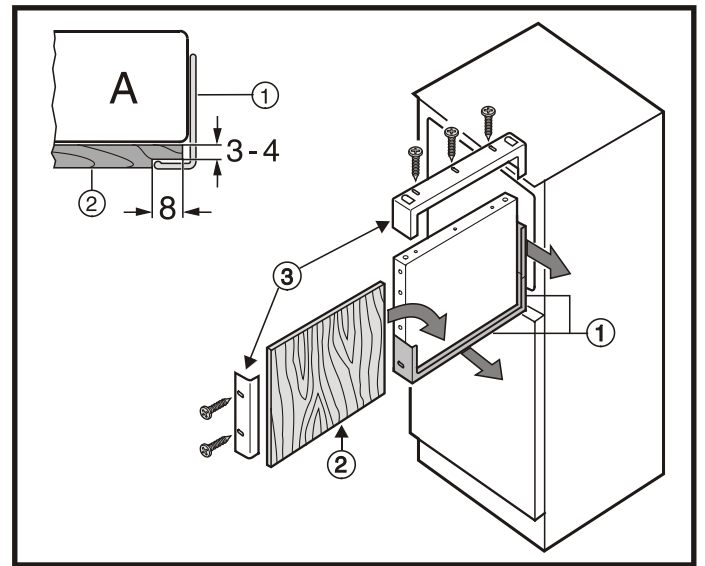
Assembling decor panels

Decor panel dimensions (mm):	Height	Width	Thickness max.
Refrigerator	838	585	4
Freezer	341	585	4

Steps must be cut into thicker decor panels as shown in figure A.

Assembly

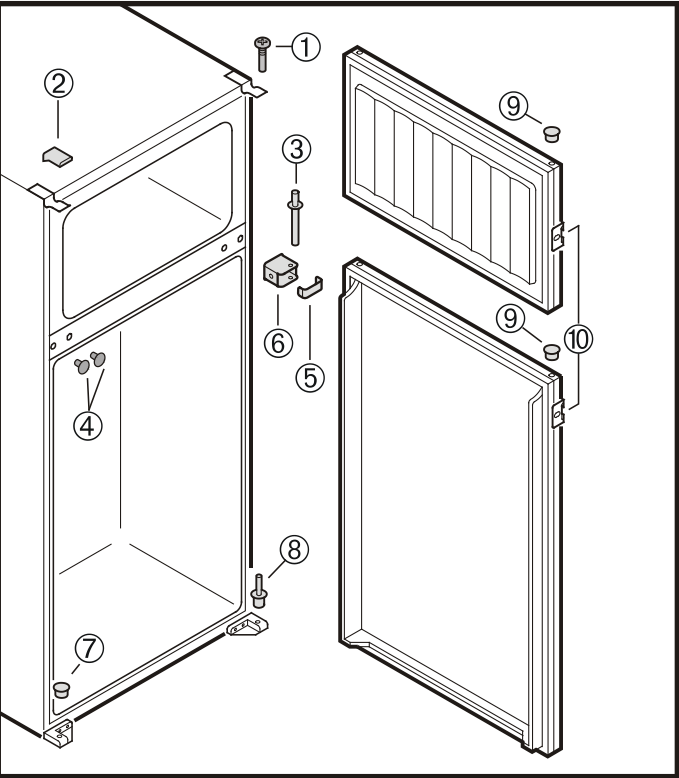
- Unscrew door handle.
- Unscrew decor frames ③.
- Loosen decor frames ① and slide forwards.
- Slide the decor panel ② between the frames and the door.
- Screw on the decor frames ③ with handle.
- Slide all decor frames back and screw tightly.



Instructions for installation and modification of appliances for integrated use

Changing over door hinges

- Unscrew hinge pin ❶.
- Open door and tilt out at top. Lift door off upwards.
- Lift off cover ❷ and replace on the other side.
- Remove hinge pin ❸ and lift lower door off upwards.
- Remove plugs ❹ and door connectors ❺ and replace on the other side of door.
- Press in cover ❻ at side and remove.
- Unscrew hinge ❷.
- Lift off plugs ❸ and insert on other side.
- Turn hinge ❸ by 180° and screw into other side.
- Click cover ❹ into place.
- Remove plug ❺ and hinge pin ❻ and replace on other side.
- Suspend lower door on hinge pin ❸ and close.
- Replace hinge pin ❸.
- Suspend upper door on hinge pin ❹ and close.
- Replace hinge pin ❶ and tighten.

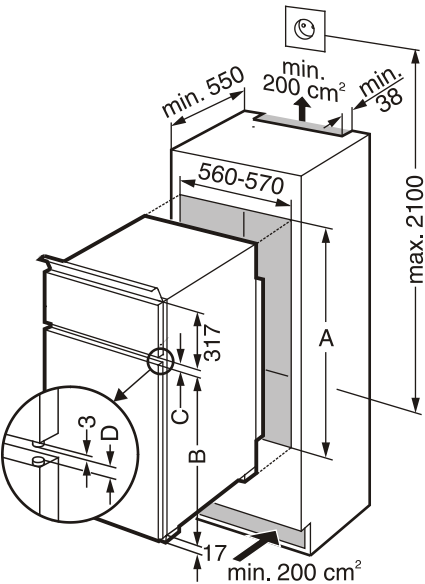


Installing in a kitchen unit

Align the unit with a set square and a spirit level. Place something underneath to compensate for unevenness if necessary. The intermediate floor and the side walls must be at right angles to one another.

A gap of at least 38 mm must be provided behind the kitchen unit so as to ensure sufficient ventilation.

The appliance is ventilated through the plinth under the kitchen unit. The area underneath and behind the appliance must be at least 200 cm².



Fitting dimensions (mm):	A	B	C	D
KID 22 (216 lt.)	1221-1232	858	30	24
KID 25 (242 lt.)	1444-1452	1036	56	50
KID 32 (315 lt.)	1774-1782	1395	30	24

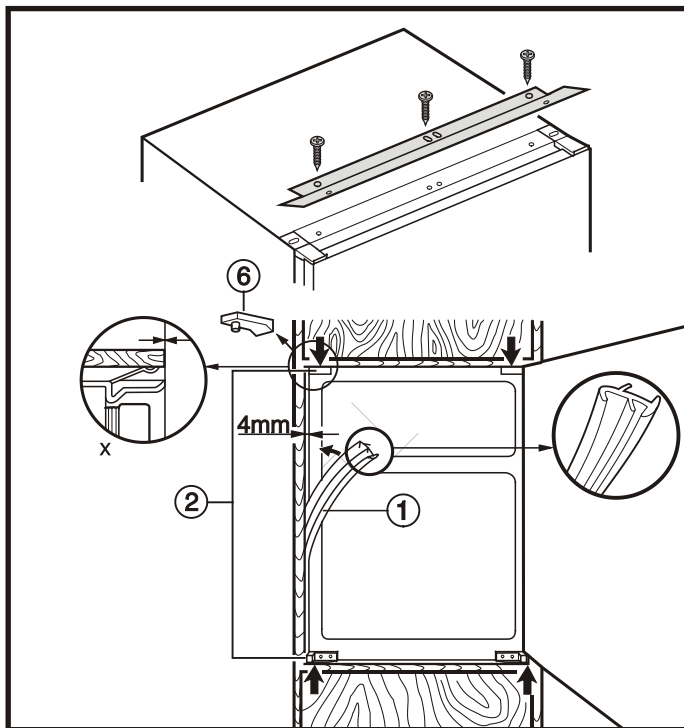
Installing in a kitchen unit

Before installing in a kitchen unit, screw the attachment plate provided onto the appliance with screws (3.9 x 9.5).

- Check the position of the unit doors and that they are opening and closing properly. Adjust hinges if necessary.
- The mains socket must be positioned so that the appliance can be easily connected after installation.
- If the gap between the top of the appliance and the unit is very small, remove cover ⑥, otherwise leave in place.
- Slide the appliance into the unit until the front edge of hinge bracket ② is flush with the unit. Note detail drawing X.

Do not align the appliance by the attachment plate at the top!

- There must be a gap of 4 mm between the unit and the appliance on the handle side.
- If necessary, shorten cover trim ① to height of unit and slide into the gap between the unit and the appliance. Slide the appliance against the wall of the unit so that it presses against the cover trim.



Attaching inside a kitchen unit

- Insert screws ③ (4 x 14) into unit through attachment plate at top and hinge brackets at bottom and tighten.
- Move door connectors ④ to match position of unit door handles on refrigerator door. If necessary, attach two connectors per door. Use 3.9 x 9.5 screws for attaching additional connectors.
- Open refrigerator door completely and insert connector rail ⑤ into connector ④. Distance *d* between connector rail ⑤ and edge of unit door must be exactly the same as the thickness of the unit wall. Screw connector rails ⑤ to unit door.
- Adjust connectors ④ so that the unit door does not touch the unit when closed (gap of approx. 1 mm).

